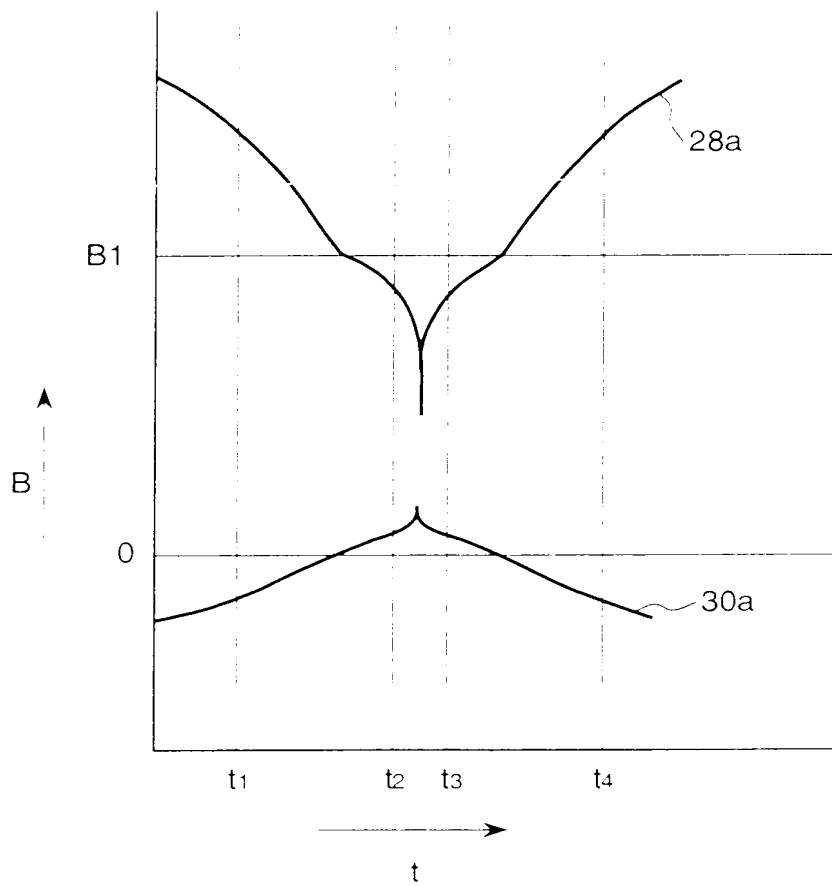


The diagram illustrates the components and ion path of a mass spectrometer. An ion beam originates from an ION SOURCE (10) and travels along the Z-axis. It passes through a MASS SEPARATOR (12) which includes a slit (14). The beam then enters a region (16) and passes through another ELECTROMAGNET (18). It continues through a third ELECTROMAGNET (20) and is finally detected by a detector assembly (32, 34) which includes a curved plate (34) and a detector (32). A coordinate system (Y, Z) is shown at the origin. A curved arrow (R) indicates the rotation of the detector assembly. The entire system is labeled 100.

| | |
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| DRAFTSMAN | |

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FIG. 2



| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

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FIG. 3A

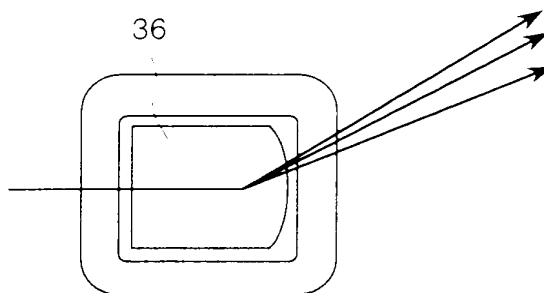


FIG. 3B

